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STATUS OF THE CLAIMS

- 1. (Currently Amended) An apparatus for loading <u>at least one</u> of a plurality of bags and a plurality of netting packages into a containers with bags, wherein the apparatus comprises:
 - a feed conveyor assembly;
 - a loading unit including:

a holder that is movable up and down, the holder being sized to receive and to hold at least one of the plurality of bags and the plurality of netting packages and to be substantially fittingly receivable in the a-container, to be loaded

at least one pressure-controlled air cylinder that is movable up and down and structured and arranged to carry substantially all of the weight of the holder and at least one of the plurality of bags and the plurality of netting packages disposed in said holder when lowering said holder into said container, and

<u>a drive unit that is movable up and down and that is</u> structured and arranged:

to control a vertical position of said holder,

to carry a portion of the weight of the holder and said at least one of the plurality of bags and the plurality of netting packages when lowering said holder and said at least one of the plurality of bags and the plurality of netting packages into said container,

to carry all of the weight of said holder when raising said holder from inside said container, and

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to determine, when lowering said holder into said

container, when a portion of the weight of said holder

and said at least one of the plurality of bags and the

plurality of netting packages has been transferred to

the container or to an object in the container by

sensing a weight change; and

control means for forming a layer of bags in the loading

unit, the layer having dimensions substantially corresponding to

at least one bottom dimension of the container to be loaded,

wherein the control means is adapted to control the loading

unit to place the layer by moving the holder down by activating

the at least one pressure-controlled air cylinder and the drive

unit when lowering the holder into said container to be loaded

and by activating the drive unit when removing the holder. +

wherein during a downward movement into the container, the

holder is partly carried by at least one pressure-controlled air

cylinder and is partly carried by a drive controlling a vertical

position of the holder, the drive being adapted to sense the

bottom of the container or a previously loaded layer by sensing

a weight change.

2. (Previously Presented) An apparatus according to claim 1,

wherein the feed conveyor assembly comprises a first rotating

system and a second rotating system arranged one behind the

other, wherein each of the first rotating system and the second

rotating system comprises two parallel running conveyor belts

which are drivable at different speeds in order to rotate the

bags in a plane parallel to said running conveyor belts.

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(Previously Presented) An apparatus according to claim 2,

wherein the control means rotates a bag through a first angle of

45 degrees with respect to an orientation of the bag in the

layer on the first rotating system and to rotate it through an

additional angle of 45 degrees with respect to the first angle

of 45 degrees on the second rotating system, wherein the control

means further provides the first rotating system, during a

processing of a preceding bag on the second rotating system,

with signals for handling a following bag on the first rotating

system.

(Previously Presented) An apparatus according to claim 1,

wherein the feed conveyor assembly further includes a plurality

of conveyors arranged so as to be movable up and down by at

least one end, so that successive bags can be stacked in an

overlapping manner.

5. (Previously Presented) An apparatus according to claim 1,

wherein the feed conveyor assembly is provided with a stop

against which the bags butt after the bags have been conveyed

over the feed conveyor assembly in a first conveying direction,

wherein, viewed in the first conveying direction, upstream of

the stop, the apparatus includes a transfer device capable of

placing the bags accumulated against the stop onto a further

conveying path of the feed conveyor assembly, wherein the said

further conveying path has a second conveying direction

extending substantially perpendicular to the first conveying

direction.

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(Previously Presented) An apparatus according to claim 5,

wherein the further conveying path comprises a collecting belt,

having a first feed end and a first discharge end, and a

retracting belt, wherein the retracting belt is movable in the

second conveying direction, such that a discharge end thereof

can be introduced into the loading unit.

7. (Previously Presented) An apparatus according to claim 6,

wherein, at each of the first feed end and the first discharge

end of the collecting belt, a side plate is included, the side

plate being pivotable from a horizontal position with respect to

the collecting belt into a vertical position with respect to the

collecting belt.

8. (Previously Presented) An apparatus according to claim 6,

wherein a discharge end of the collecting belt is arranged so as

to be movable up and down, so that the bags can be stacked in an

overlapping manner in the second conveying direction as well.

9. (Canceled)

10. (Previously Presented) An apparatus according to claim 1,

wherein the holder is provided with an open side via which the

holder is loadable from a further conveying path, wherein a

bottom of the holder is formed by a flexible curtain which can

be pulled away from the bottom.

(Previously Presented) An apparatus according to claim 10,

wherein the flexible curtain comprises two curtain parts which

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are movable from a closed position from a middle of the bottom

of the holder away from each other for removing the bottom of

the holder, such that a layer of bags can be released from the

middle of the bottom of holder.

12. (Canceled)

13. (Currently Amended) An apparatus according to claim 1

further comprising at least one sensor for determining a

distance between a bottom of the holder and a bottom of the

container, wherein the at least one sensor is a mechanical

sensor.

14. (Canceled)

15. (Previously Presented) An apparatus according to claim 1,

wherein, below the loading unit, a conveying system

containers extends.

16. (Withdrawn) A method for loading a container with bags,

wherein the bags are placed from a feed conveyor assembly onto a

bottom of a holder of a loading unit, wherein, subsequently,

when the whole bottom of the holder of the loading unit has been

filled with bags, this holder is lowered into a container to be

filled and the bottom is released when the bottom of the holder

is just above the bottom of the container to be filled or a

layer of bags present in this container.

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(Withdrawn) A method according to claim 16, wherein the

release of the bottom of the holder takes place in that this

bottom is manufactured from a flexible curtain which can be

pulled away for the purpose of releasing the bottom.

18. A method according to claim 16, wherein, in

the feed conveyor assembly, the bags are oriented by means of

two rotating systems arranged one behind the other which each

comprise two parallel running conveyor belts drivable

different speeds, wherein the first rotating system rotates a

bag through 45 degrees and the second rotating system rotates

the bag, by then rotated through 45 degrees, again through a

further 45 degrees.

19. (Previously Presented) An apparatus according to claim 4,

wherein:

the feed conveyor assembly is provided with a stop against

which the bags butt after the bags have been conveyed over the

feed conveyor assembly in a first direction, wherein, viewed in

a first conveying direction, upstream of the stop, the apparatus

includes a transfer device capable of placing the

accumulated against the stop onto a further conveying path of

the feed conveyor assembly, wherein the said further conveying

path has a second conveying direction extending substantially

perpendicular to the first conveying direction;

the further conveying path comprises a collecting belt and

a retracting belt, wherein the retracting belt is movable in the

second conveying direction, such that a discharge end thereof

can be introduced into the loading unit; and

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at each of the first feed end and the first discharge end

of the collecting belt, a side plate is included, the side plate

being pivotable from a horizontal position with respect to the

collecting belt into a vertical position with respect to the

collecting belt.

(Previously Presented) An apparatus according to claim 7,

wherein a discharge end of the collecting belt is arranged so as

to be movable up and down, so that the bags can be stacked in an

overlapping manner in the second conveying direction as well.

21. (Previously Presented) An apparatus according to claim 19,

wherein:

the holder is provided with an open side via which the

holder is loadable from the further conveying path, wherein a

bottom of the holder is formed by a flexible curtain which can

be pulled away from the bottom;

the flexible curtain comprises two curtain parts which are

movable from a closed position from a middle of the bottom of

the holder away from each other for removing the bottom of the

holder, such that a layer of bags can be released from the

middle of the bottom of holder; and

below the loading unit, a conveying system for containers

extends.

(Previously Presented) An apparatus according to claim 20,

wherein:

the holder is provided with an open side via which the

holder is loadable from the further conveying path, wherein a

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bottom of the holder is formed by a flexible curtain which can be pulled away from the bottom;

the flexible curtain comprises two curtain parts which are movable from a closed position from a middle of the bottom of the holder away from each other for removing the bottom of the holder, such that a layer of bags can be released from the middle of the bottom of holder; and

below the loading unit, a conveying system for containers extends.

23. (Withdrawn) A method according to claim 17, wherein, in the feed conveyor assembly, the bags are oriented by means of two rotating systems arranged one behind the other which each comprise two parallel running conveyor belts drivable at different speeds, wherein the first rotating system rotates a bag through 45 degrees and the second rotating system rotates the bag, by then rotated through 45 degrees, again through a further 45 degrees.